



## The emerging and forecasted effect of climate change on human health

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### Abstract:

Global warming is an unequivocal phenomenon today. Climate change including global warming has various effects on human health. The direct effects include increase in cases of heat-stroke and in mortality rate among those who have cardiovascular and and/or respiratory diseases. The main indirect effects are on infectious diseases. Vector-borne and water-borne infectious diseases are two main categories of infectious diseases that are forecasted to be most affected. There will be an increase in the number of vector-borne infections via expansion of the arthropod-infested areas, and increase in feeding behavior of infected mosquitoes. There will be increase in the number of cases with water-borne diarrhea diseases. It should, however, be noted that the levels of the impacts of climate change on human health will differ among regions, depending on factors such as social infrastructures, foreign trade and trip, age distribution, etc. Thus, the effects on health should be elucidated for each of the regions of the world. The studies of the effect of climate change on human health have been progressed in recent years; however, current understanding of the effect of climate change on human health including infectious diseases is not sufficient. Further studies are needed to understand in detail the effect of climate change on human health.

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### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Extreme Weather Event, Precipitation, Temperature

**Air Pollution:** Allergens, Ozone

**Extreme Weather Event:** Flooding

**Temperature:** Extreme Cold, Extreme Heat, Fluctuations

#### Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

#### Geographic Location:

resource focuses on specific location

# Climate Change and Human Health Literature Portal

Non-United States

**Non-United States:** Asia

**Asian Region/Country:** Other Asian Country

**Other Asian Country:** Japan

**Health Impact:** ☒

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Infectious Disease, Injury, Respiratory Effect, Other Health Impact

**Infectious Disease:** Foodborne/Waterborne Disease, Vectorborne Disease

**Foodborne/Waterborne Disease:** Cholera, General Foodborne/Waterborne Disease, Other Diarrheal Disease

**Vectorborne Disease:** General Vectorborne, Mosquito-borne Disease, Tick-borne Disease

**Mosquito-borne Disease:** Chikungunya, Dengue, General Mosquito-borne Disease, Malaria, Ross River Virus, Viral Encephalitis, Viral Encephalitis, West Nile Virus, Yellow Fever

**Tick-borne Disease:** General Tick-borne Disease

**Respiratory Effect:** Asthma

**Other Health Impact:** Heatstroke

**Population of Concern:** A focus of content

**Other Vulnerable Population:** Pre-existing medical conditions

**Resource Type:** ☒

format or standard characteristic of resource

Review

**Timescale:** ☒

time period studied

Time Scale Unspecified